

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:226	Late	LPZ-194	GGTGCGATCCTGCGAGAGCCGAGGGTTCATTTTCCTTTTCGACAACGACGTTTCAGT GGCGACCAGAGTTTCCCAATCACTTCAGCGATTCTATTCCTTCGTTGTAATAAAGCT TAAGGAATCCATGCTTTATTCCTTGAAGGTTTGAATATTTATATTTGTTGGCATTAA TGCTATATACATCTATACTAATTTTGGGTTGTTCTAACTTGTTTTGAATAACTTAAAT
SEQ ID NO:227	All	LPZ-195	GGTGCGATCCATGGCAAAGAGCTCGTTCAAGCACGATCATCCTCCAGAGAGAAGA CAAGCTGAAGCTTCTCGGATTCGAGAAAAGTATCCGGACAGGATTCCGGTTATTGT GGAGAAGGCTGAGAGAAGTGAGATACCTGATATTGATAAAAAGAAATATTTAGTCC CAGCAGATTTGACTGTTGGGCAATTTGTTTATGTTGTCCGAAAAAAAAAAAAA
SEQ ID NO:228	Middle	LPZ-196	GGTGCGATCCCCTGTATTCTTGAAAGGGTTATAACGGAAGATAGCATTTTGCTCAG ATTGTAGACAGTCTGCATGATTTGTCAATACTACTATTTTCGCATTATTTGTTAATACT ACTAATCCTTGTACTCATCTAGACTATTTAATTATTAATTCTACAGTTTCTTTCTCCT AGATGGCAAACAATATGAATAAAATGCCAATAGTTTTGGAAGTACTCCATTAAGAGC TTTAGATGATTATCATTATCATTTGCTGTTTTGAATCGTAAATGAATGTGTACGCG TCTTCTTTTCTGTTAGTCTCTATGCTTTCATCAGAAAGAGTCTAAGCCAGTTACTGGA AGCTATTTGTCATCTCTTAAACATTGTTTCCGTGCCAAAAAAAAAAAAAAAAAAAA AA
SEQ ID NO:229	Late	LPZ-197	GGCAGAACTTCCAAAGTCTAGTATTTGATTAATAATATGATGAAGACACTCAGTCT ATAACATGACGCCAGAAATCAGACCATATGCATGATAACTAGCACGATTAAATACA ATTCGCAACCTTTAATACACTAAAAACGTTTACTGTATAGTCCACTCAGAACATTTCT GATAGTATTGTGAGATCGACTTATTTAGTCTCATATTCAGCAATCTGAACTGTACGAT GCGGCTCATTCAAGGGCATTGTTGGGTTTGCCTTGGCATTCTTCATATCCCGATAGC AAGGACACGCGTTCTTGTGGCCATATGTCCCTGGGGGATCGCACC
SEQ ID NO:230	Early	LPZ-198	GGTGCGATCCACATTGGCCAGGCCGGTATTTCAGGTCGGCAATGCCTGTTGGGAGC TTTACTGTCTCGAGCACGACATTTCAGCCTGATGGACAAATGCCAAGTGACAAGACC GTTGGCGGTGGAGATGATGCATTCAACACATTTTTCAGTGAGACAGGTGCCGGTAA GCATGTTCTCGT181GCCGTGTTTCTGGATCTGGAGCCAATGTCAATTGATGAAGT TCGAACCGGCACATATCGGCAGCTTTTTCACCCAGAGCAGCTGATCAGTGGCAA GAAGATGCCGCCAACAACCTTGTCTCGTGGCCATTATACCATTGTAAGGAAATTGT GGATCTGTGCTTGGATCGCACC
SEQ ID NO:231	Late	LPZ-199	GGTGCGATCCCAGCATTGGATGCATTTCTAGCACAAAGCCATCTTGACTAAAATAG CACTGCGGGCAACTGCAGTCCATAACTTTTCAGAGCATTGTTGCTGCCTCAATTGTA TACCAATCCATATTCTAAAAATTAGACCTGGAAACCAGTCAGAAATTTAATGTTTTCT TGCAGAAAATGCCCTTTTAGAAAAAGGAGAGAATAACTGCATTCAAGTTCTAACTCC CAGACATAGCCTGGCAACGTCATTCAATTCAGTTCGGATCGCACC
SEQ ID NO:232	E,L	LPZ-201	GGTGCGATCCAGAAAACAGCACAAAGCAATCTGTAAGACCAATATTATTATCATCTCT CACTGCTCGTGAACAAAATGCTGGTTCATAGCCATCACGAAGGCTAAGGCTACTAT CCAGCCAACTGATCTCCAACAATAATTTTATAAGCTTAAATAAATAGTCCATCCAG TGGATGGAGCCAGAAAGCCATAGAACTTCAAATACTTGTGGTATCAATCTCTCCTC TGTTAAGGGAGGTATCAGATCAGAAGCACTAATCAAATGCATACATAAATGCAGTA GACTGCAATAAAACAAAATCTGCAGATAGCAACTGAGCGCTTAACGAACGGAAAAAG AGTTTAACTTGATCTATCACAGGATCGCACC
SEQ ID NO:233	Late	LPZ-202	GAAAATGGGAGCCTCAAATATTCAAAGCCTCATCTCAAGAGTCTCAGATTCGGATT CATTTCAATTTGGTTCGTAATAAAATAATGCATCAAATAGTTATTATCCACAAAAATGG GAGAATTATTACAATCTGTCTTCTCAACATAAAGTCATAGCATAGCATAGAACCACA CCACAGTCGTCATCATTTGTTTTGTTTACCACCGAAGGGGCTCTTTACAGCGTCCA TGAAGCCCTGTGTAGCACCTTCGCCTTGTCCCCCGCCTGTTGGAAGAAAGAGCC AGTTTGTCTTTCCCTCTTGGGCTTTTCCCGTGATGGATCGCACC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:234	Late	LPZ-203	GGTGCGATCCTATTATAGAACCATGACTCTTGTGCGATGGGGCATAAACTTCTCATTC TTAGGCGTGCCTACTGTGACTCTTGCCGATGTGGCATAAACTGCTTATTCTTAGTT GTGCCTTCTGTGCAGAACTTGTTGAGTCGGTGGATTACACTGAC
SEQ ID NO:235	Late	LPZ-204	GGTGCGATCCATTAAGTAGATTAACGATAACATTCCTCTGCATCCAATCCAATGCTC ATCTAAATCTACTTCTACTTAGATCTCTGCCTCATCTTTCTCCACCTCCTCATCCATT CTGAAATATTAATTTCTGCATAGATTTTGTAGGGTCTAGTAATCATTTTCATGAATT TAAATCTGTTCTAGTCTCTTATTATTATGCTGCTTATGCTAGCATCAGAACCTGTGTA TAATTCATTCATGTATATATTGGATTACACAAATTATACGGATGCCAGAAAAA AA
SEQ ID NO:236	Late	LPZ-205	CTTGAAGCTGATATGTTTGAACCCGAAATTTTGTACCCAACTCCAGTGTACATTGT GTCAGTGTCAAAGAGAACATGAGAGCTGCATGCAAGCTTTTGCATGATAGATAGAT TACTGATCACCGAACATTTCTTACTCTACTTTCTCTCTCTATCCCCAGTGATTTTGT GGCATTCTTCTATACCCTTCGGATCGCACC
SEQ ID NO:237	Late	LPZ-206	CTCATGAACAGCAATATGATGCATTCTCTTATACACATTTTCATATATGTTCAACCTT GCCGTGATGGCTACTCTAAGAAGAGCAAACAGACCCATTGAATCTTTACACGCGC TTGTTTATATGAATACAAATAATTTAGGCGTTTCTTTACACGCCCTTGTTTACATTAA TACAAGTGATTTAGGCGTTGTTACCAGAATAGTGCCACGGATCGCACC
SEQ ID NO:238	All	LPZ-207	GGTGCGATCCCAAGATAGAAAAGGGAAGTATGGTCTCGAGGAGTGTGAGGTGCTA CAGATCACAATATACATAAGGGTCTGATAGTAGTACTCGGCCCAATGTTTGAGGGC TCTAACTAAGGAGGATCAACCGTACCCTTAGCCGTAAAACCCGACTACCCTATCGT ACGGGCGAGTAATCTCTCTGAGTGTGTTCTCGGTGTATCGTAGCAGCAACACGG CTGACGGTTTATCTATGGTGAGGTTTCAAAGGAGCTAGGGGGCTTCCAATATACCC AGAGGGTACTTGGAAGACAGTTTATACGCGGTTCTGTCTAATGCGCTACTACTCGA AGGGGTACCCACAGGGGTTACAAGAGAGTGCAACAAGCATGACCACCCCTTGAT TTCTTGATGTATGCCTCCCCAATCCGCAGGTTTATGCGCTCATTGACAGATTCC GTGGTTTAAAGATGCCGGAACATGTCTTAGCCAAAAAAAAAAAAAAAAAAAAAAAAA AA
SEQ ID NO:239	E,L	LPZ-208	GGTGCGATCCTCCTAACCTGCAATGTCCTTCTGCAACCTGCAATTATTCAACAGA AATTAGGTTTATTTTCTTTTGTCTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTT TTTTTTTTTAAGTAAACGACCATTTCAAACGCCATTTCAAATGCTATGAATTAATGTT GAATTAATGTTAGCATTAAAGTCTTAAACATTTTATGTTAAGGCATATATATCGTTCCA ACTACTCTTACAATACACCTGCGGTGTAATCCTGCCACCGCATGTACCACCGTTAC ATGTACGCCTGCCAGCACATCTAACAGGTGCCAACTCCTTTGAACTCATCGTCGCC ATTTTGTATGCATATTTGAACTCATCGTCGCCATTTTGGTATCTTACATATGGCC AGTCCAGGATCGCACC
SEQ ID NO:240	Late	LPZ-210	GGTGCGATCCAAGGAGTGGGCGTGCAATGCGTCGAAGATAGCCACCACTGCAGG GGCGTGGCATGCTGCCGTGCTTCCCACAGGGAGATCAACACCTGCACCTCCGCCT CCTTCCGCGGTTACCACGAG
SEQ ID NO:241	Middle	LPZ-211	GGTGCGATCCAGCCACAGAAAGATTGGTTTACTCGATAATTGAACGGTAGACTTTG TGCAGGTTTAGATTGTGTACATGCTGATCAGTATTGTCTACACCATTTTCAATCTTG TTTAGTTCTATGGTAATTTATGTAACAAATTCAGCGATGTTGGGGAAATTGGTCACA TCAGCTTTGTGCCTATATATTTCAAGTAAATCAGGGGATCCATTAATACTGCTTTTAA AATAATTGGGGCAAAGTTGTGGGATGACTGCTTCAGCGGAATACGTGCTTTTCATA GTGCTGTATGACATTTTGTGGAATATGAATTTCTTTGTGATACAGTTGCGCGAAAA AAAAAAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:242	Middle	LPZ-212	GGTGCGATCCATGCCAAGAGGGTGACCATCATGCCCAAGGACATTGAGCTCGCTC GCCGCATCCGTGGAGAGAGGGGCATAAACAGTCAGTCAGATCCAATGGTGTGTTTT CACACCACCATATGTTTCTTTTACTAAATTTGTTAGGTCCCTTCGGTGGGTCTTTTC TTTCCCCCGATTTTAGTATTTTGTGTTCTTCTGAGTTTCATCATTGCAAGTACAAGA TGCAGAATTGATGGTTATTGGGACTTGGAGACTGGTTATTGCTATGTAGAGTATTTA TATTAGACAGGTTTCACTTGAAGATATAAAATTG
SEQ ID NO:243	Late	LPZ-213	GGTGCGATCCTCATGTGTTATAACCGAAGTTTGCGGGATTGAGATGGTCAGTATCT TAAATGTCCAACCTTTCGGTACGAATGGGGTGC GTTCTGAAACGTGCCACGAAAGAG GTGTTGAGGATCTGTCTGAGGCATCTTTCGGTATTTTCCACTTCCATGGTATGAG AACTTTCGTCTTGTGTCAG
SEQ ID NO:244	Late	LPZ-214	AGGAGACACAACCTTACGAAAAAGTTCAATCTGGAGTCTTCTAAGTTTTTCAGACTC TCTAAATATGAAAAGCGCCGAGTTTCTCCTATACTGGACTCGTTAAATTTTACAGT AAAGGACCTGTTCTATTACAAACAGGAACGGACCGCTCCTCCTTAGGGATCGCACC
SEQ ID NO:245	Late	LPZ-215	GGTGCGATCCAGCAAGAGAACGAAAAAGATATGAAGAATCTATGAAATATTTGTAC ATCACTGTATTCATATGAGGGCCTTTTTTTTACAATGCGGTAGGGTTGTTTGGAGAAT TAGAACCTGATTAATGTAGATGGATTCAAGCTTTTAGTGAAATGAGGCT
SEQ ID NO:246	Late	LPZ-216	CTCAACATAAAGTCATAGCATAGCACCACACCACAGTCGTCATCATTTGTTTTGTTC ACCACCGAAGGGGCTCTTTACAGCGTCCTTGAAGCCCTGTATAGCACCCTTCGCCT TGTCCCCCGCCTGTTGGAAGAAAGAGCCAGTTTGTCTTCCCTCTTGGGCTTTT CCCGTGATGGATCGCACC
SEQ ID NO:247	Middle	LPZ-217	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTCGGGACCAAATATTTTCAATACAACGCCATGTGACATTTTGTGCTTCTTGT TTTTGATACATACATTCCAAAACTGAACACTCGATGGATACGGTGATGATGCAGCT ACAGCCATTGCATTACAGATGTTATTAATTAATCAATTTATTATGTCATCACACCA ACCCAAACAATAGCGCTATTATGTCATTAGAATGGTTGCAGTTACAAGATCTGCAAA CAGATCAATGAATCATCATGCCCTCTATATCTCTTGTCAAACATCAAGATAAACCT AATTTTAGGACTGGACTTCCTCAATCATATCACAATGGCAAACCTCAGCCTCATGTCC
SEQ ID NO:248	Late	LPZ-219	GGTGCGATCCTGGACTGGCCATATGTGAAGATAACAAAATGGCGACGATGAGTTC AAATATGCATAGAATAAGCGTTCTGTAATTGGAACGGCCATAGGAGTTGGCACCTG TTAGATGTGCTGGCAGGCGTACATGTAACGGTGGTACATGCGGTGGCAGGAGTAC ACCGCAGGTGTATTGTAAGAGTAGTTGGAACGATATATATGCCTTAACATAAAATGT TTAAGACTTAATGCTAACATTAATTCAACATTAATTTCATAG
SEQ ID NO:249	E.L	LPZ-220	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TT AACCAGAGATTAAAAGGCTTTGGCTTCAGATACTATAGAAGAATGAGTCTCAAAGTG GACAGCATACTTGC GTTCCGAGCCTCATTTCACTAAAAGCTTGAATCCATCTACATT TTAATCAGGTTCTAATTCTCCAAACAACCCTACCGCATTGTAAAAAAGGCCCTCAT ATGAATACAGTGATGTACAAATATTTTCATAGATTCTCATATCTTTTCGTTCTCTTGC TGGATCGCACC
SEQ ID NO:250	Late	LPZ-221	GGTGCGATCCCAACCAGGTGTCCATGCAATATATGGTGAGCATCAAGTTTGAGGTG GTTGATTGAAAGTTACAAATTGGTGACATCTGAAGTCTCATTGAGTTATGTTTTGT TATAAAAACCATAACCAATTTTGTATATAAGATCCATAATCAATTTTGCCAA
SEQ ID NO:251	Late	LPZ-222	GTTTTCAAGAAGAGCCTGACGGTTTCCTCGGCGGGATGACGGAAACAGGAAGCGG CCGGCCGTTCCGGACCCTCCGCAGGCGGAGCATAGCATTTTGCCGGAACCACC GCATGTCCTGCACCCAACATCCGCGTCTGACCAGCGGAGGCACATGCACCCAACC CTCCCGGTTCCATTGCACCTCGGGCAGCGCGGCCACCCGCCGGCCATCGGCTTAT CCATCATGGATCGCACC

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